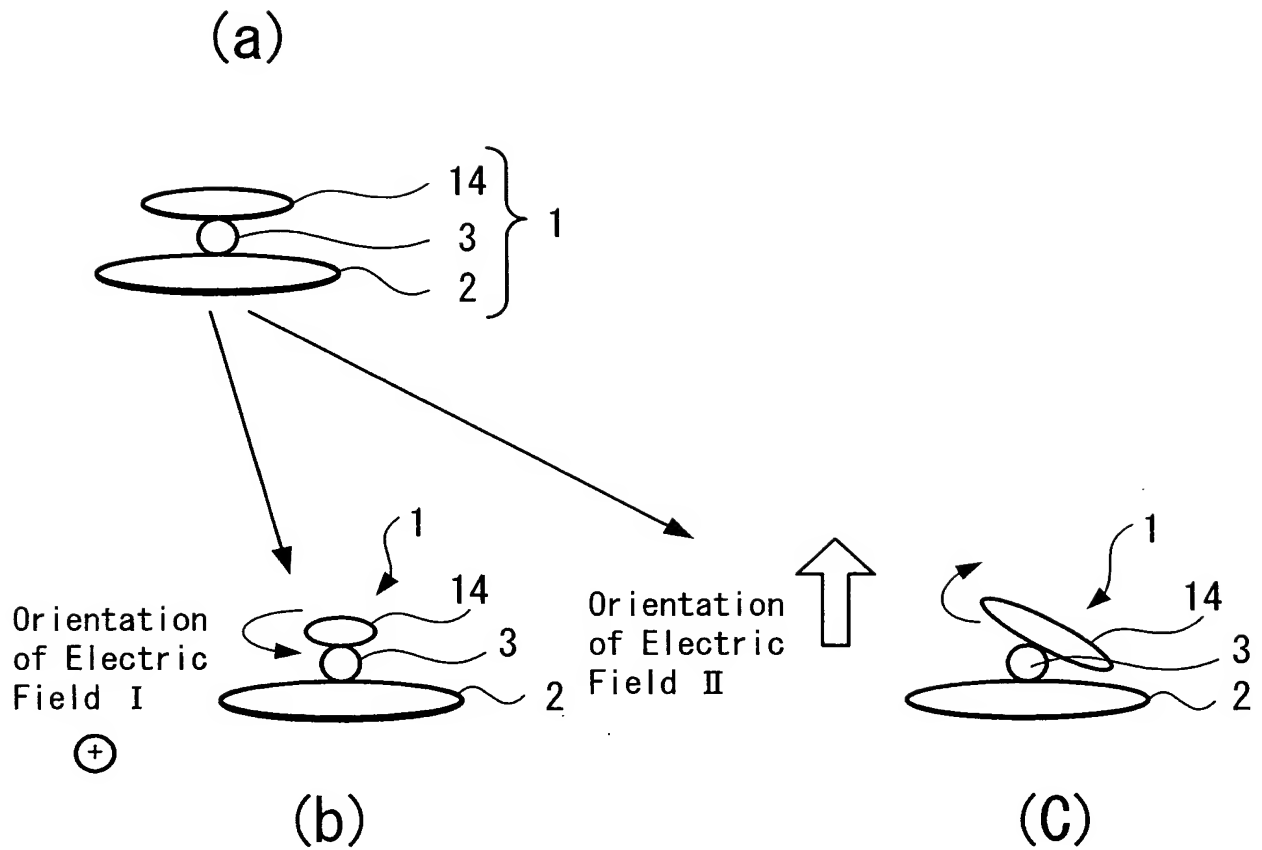
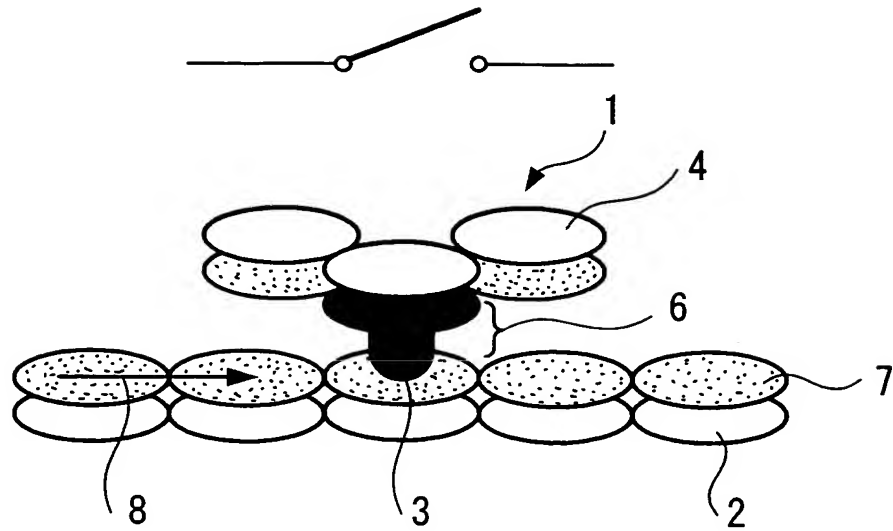
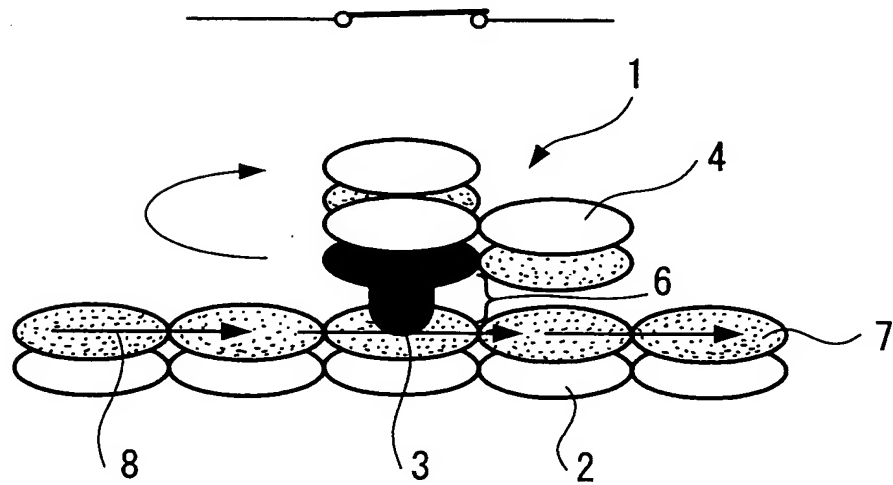
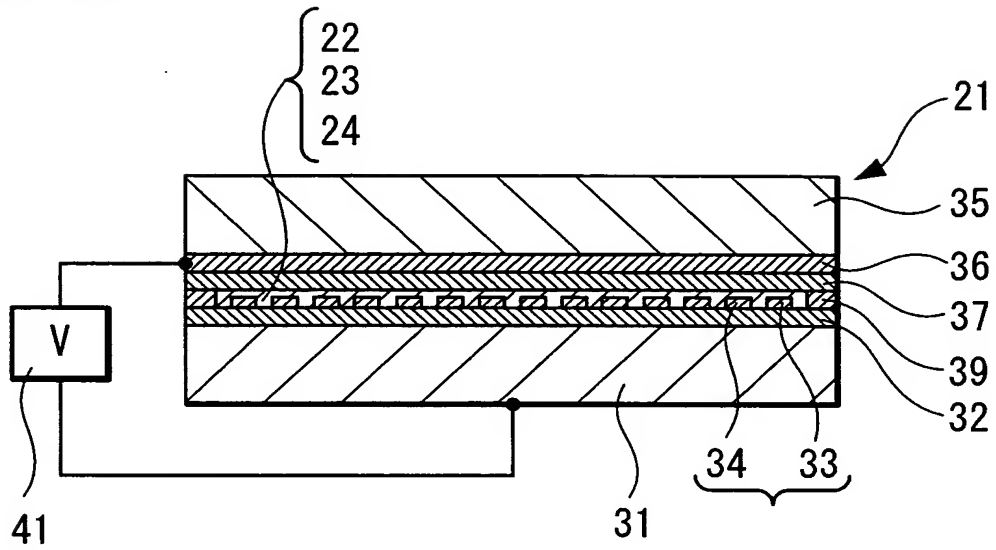


*FIG. 1*

*FIG. 2A**FIG. 2B*

**FIG. 3A**



**FIG. 3B**

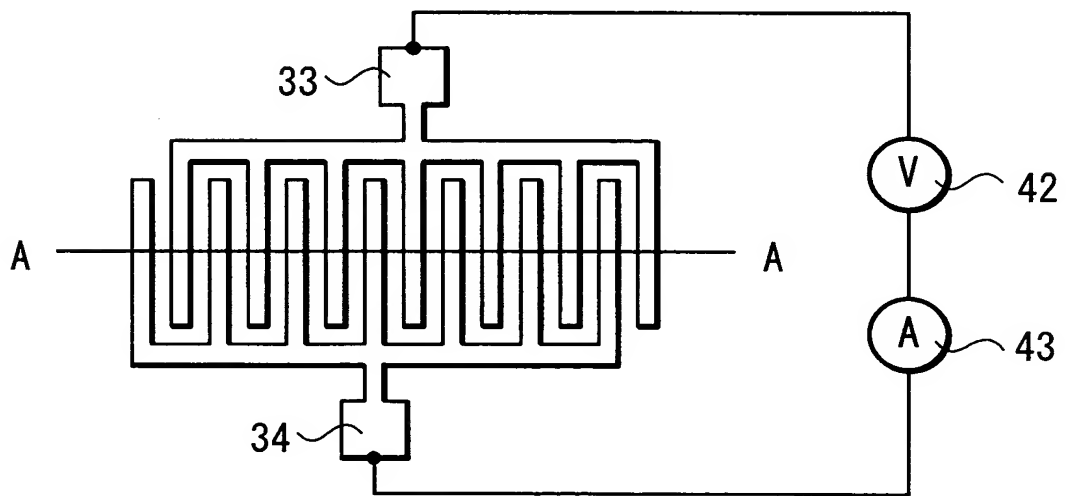


FIG. 4

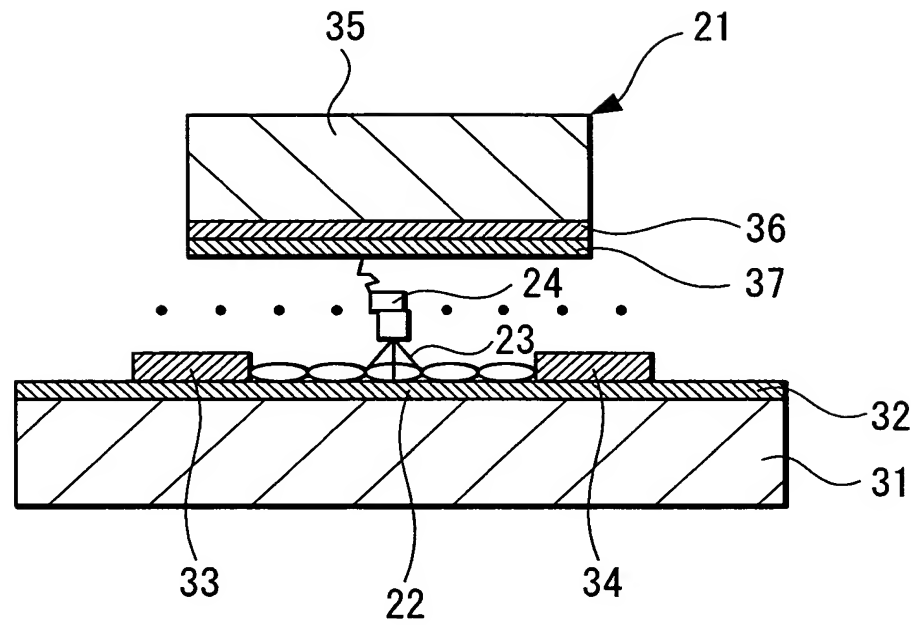
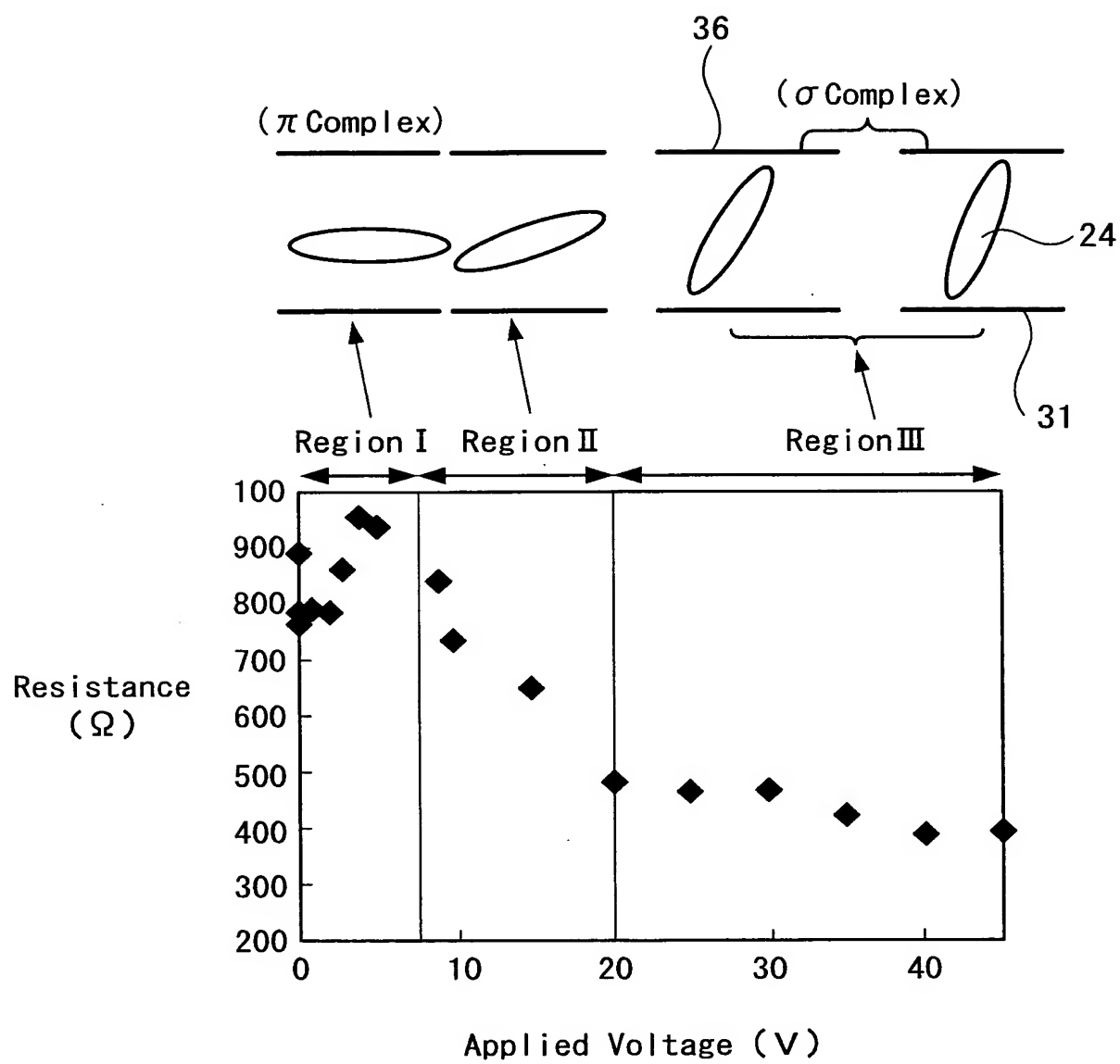
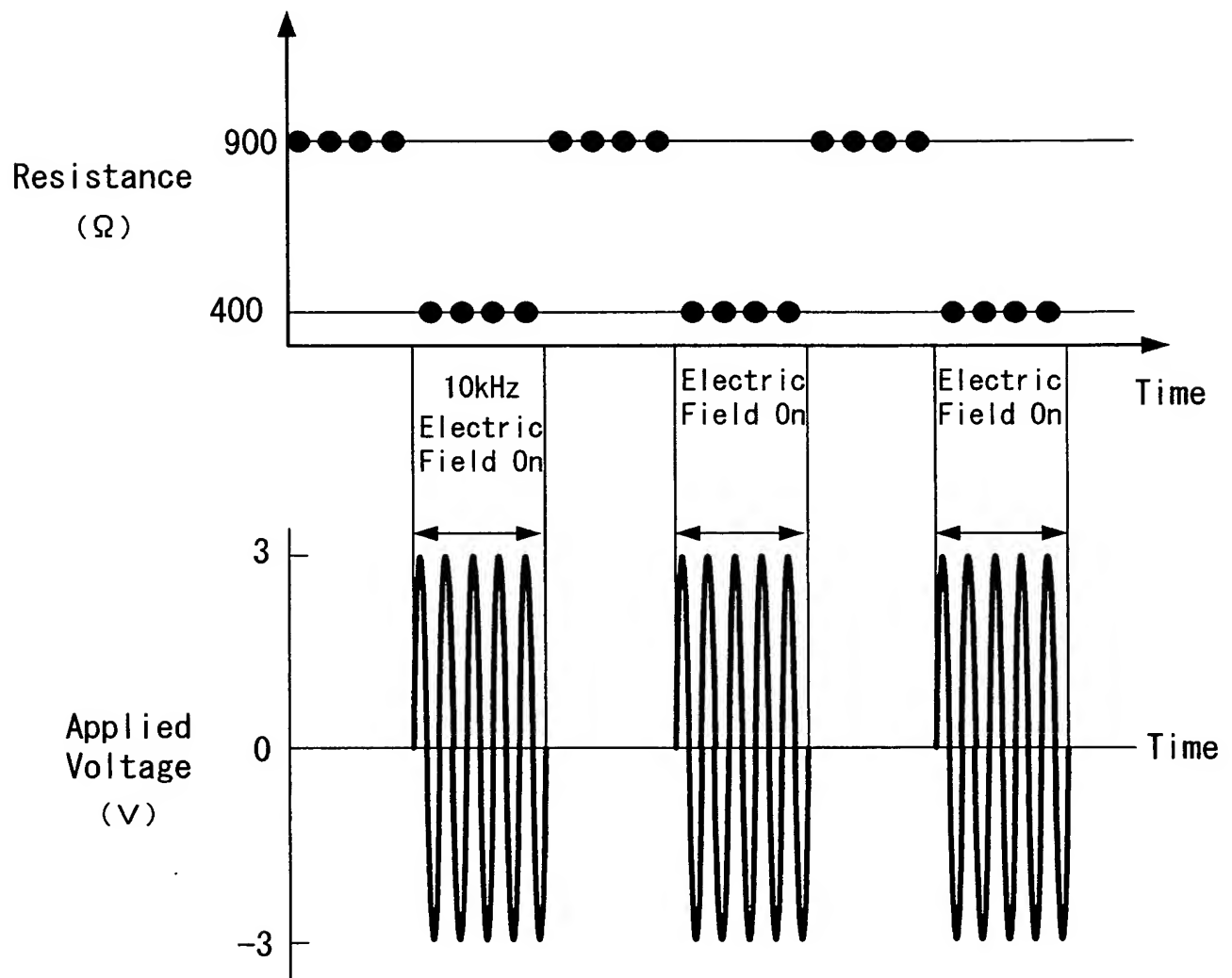


FIG. 5



*FIG. 6*

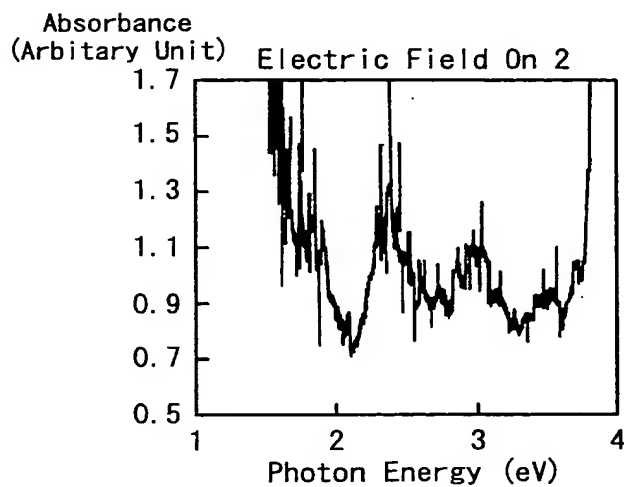
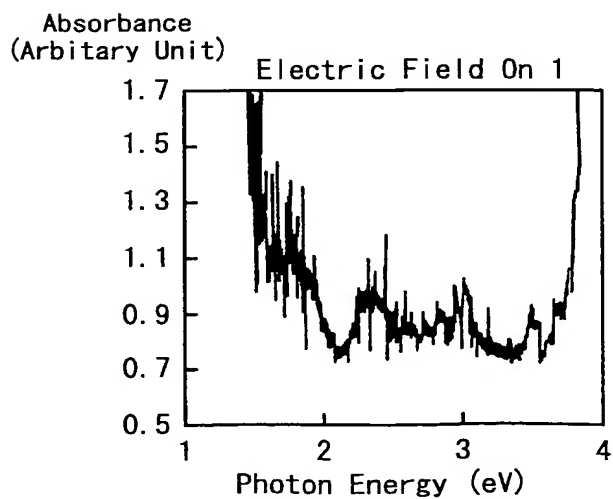
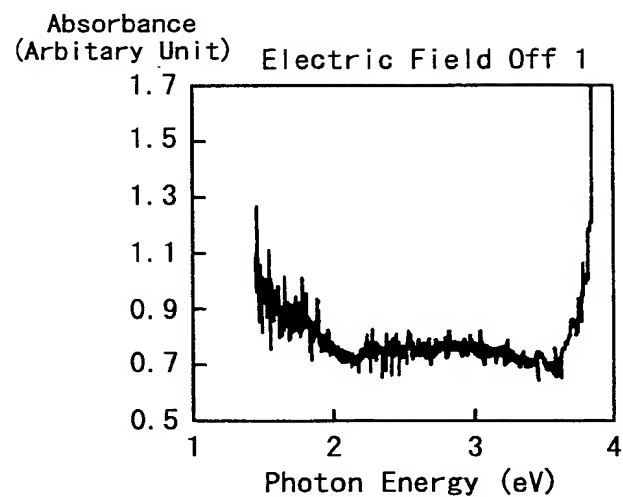
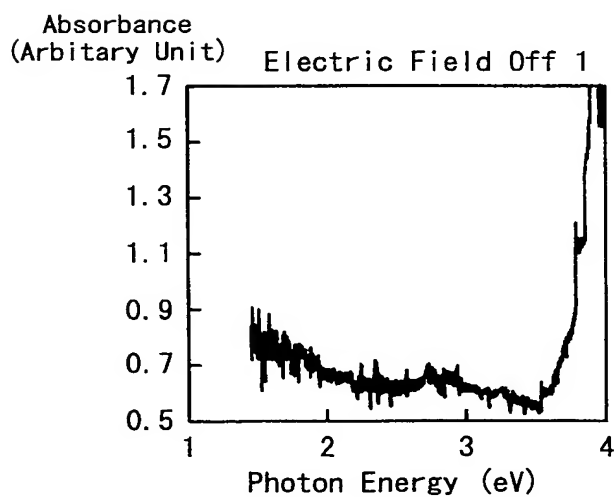
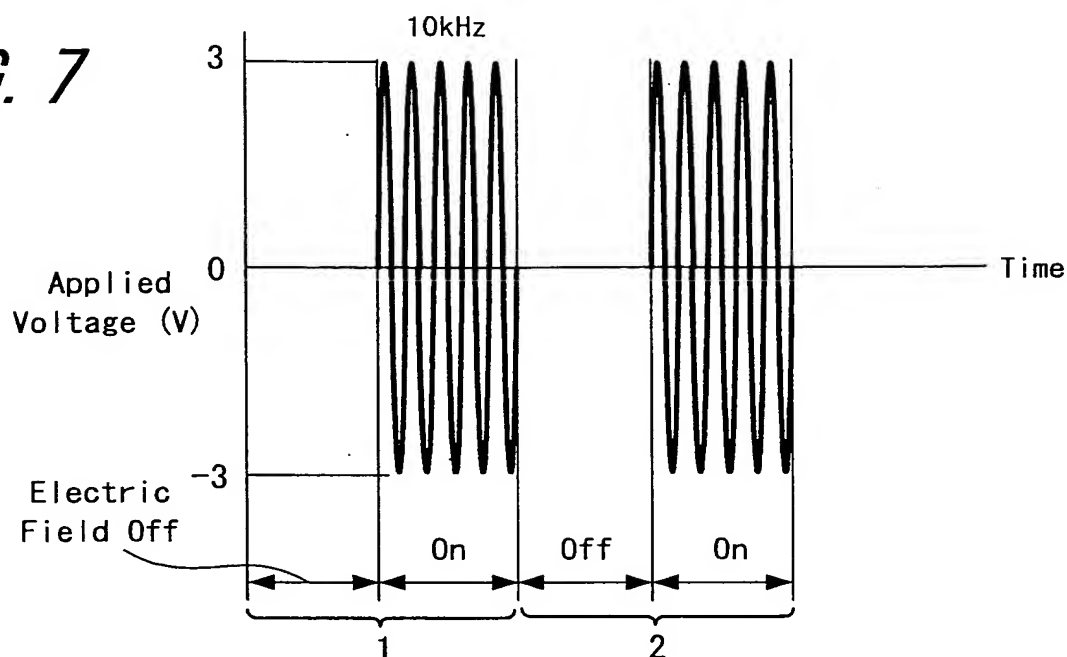
**FIG. 7**

FIG. 8

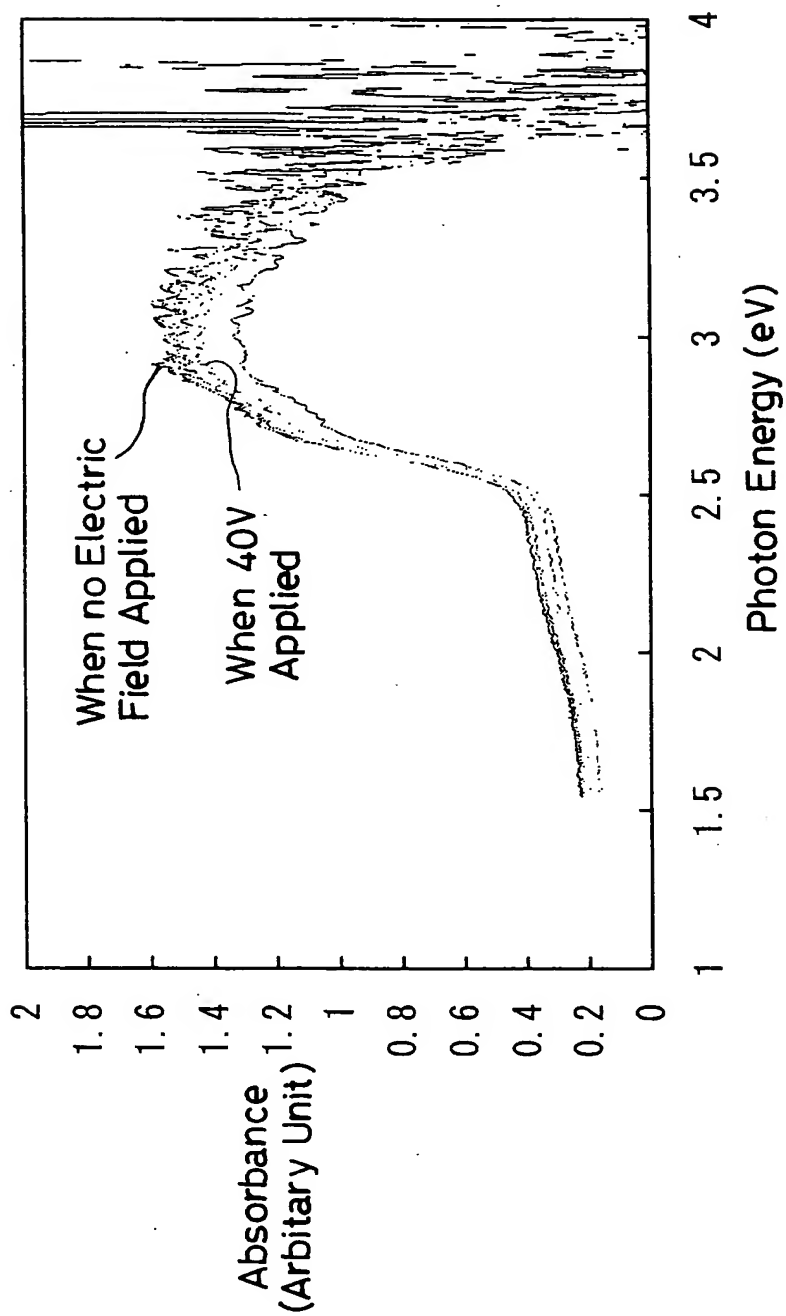




FIG. 9

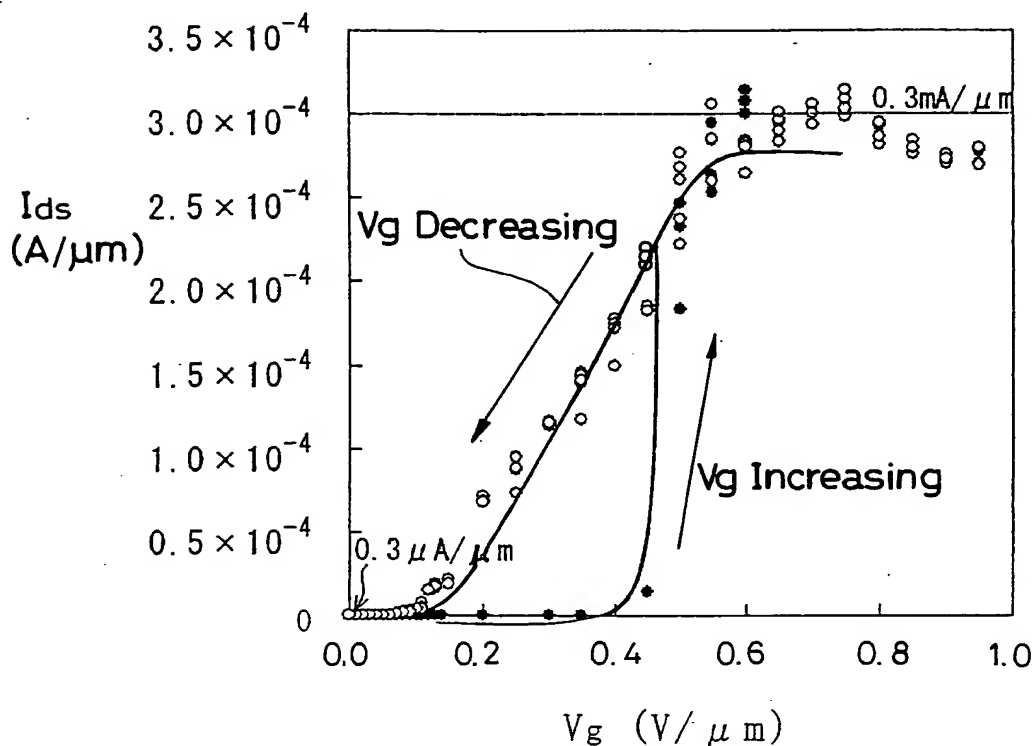


FIG. 10

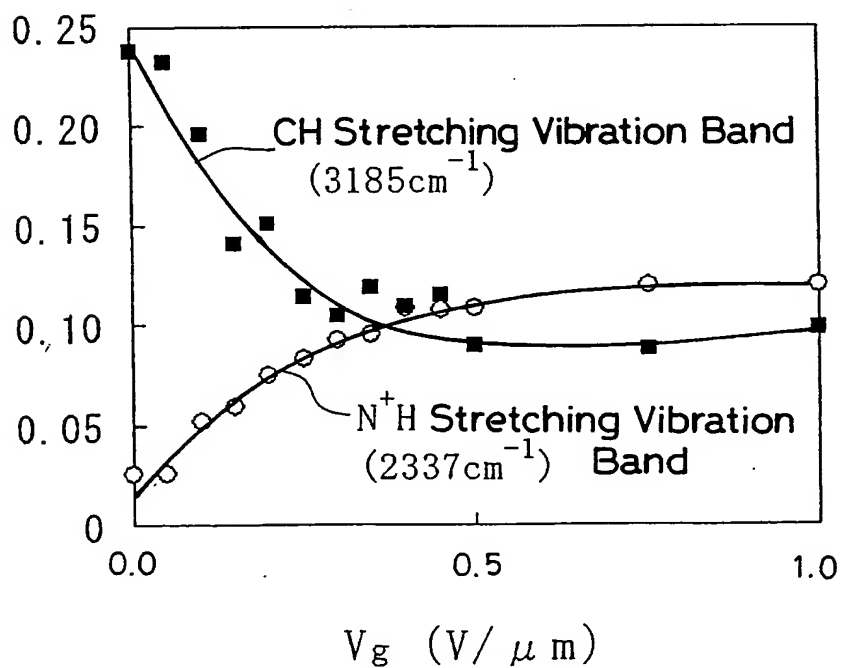


FIG. 11A

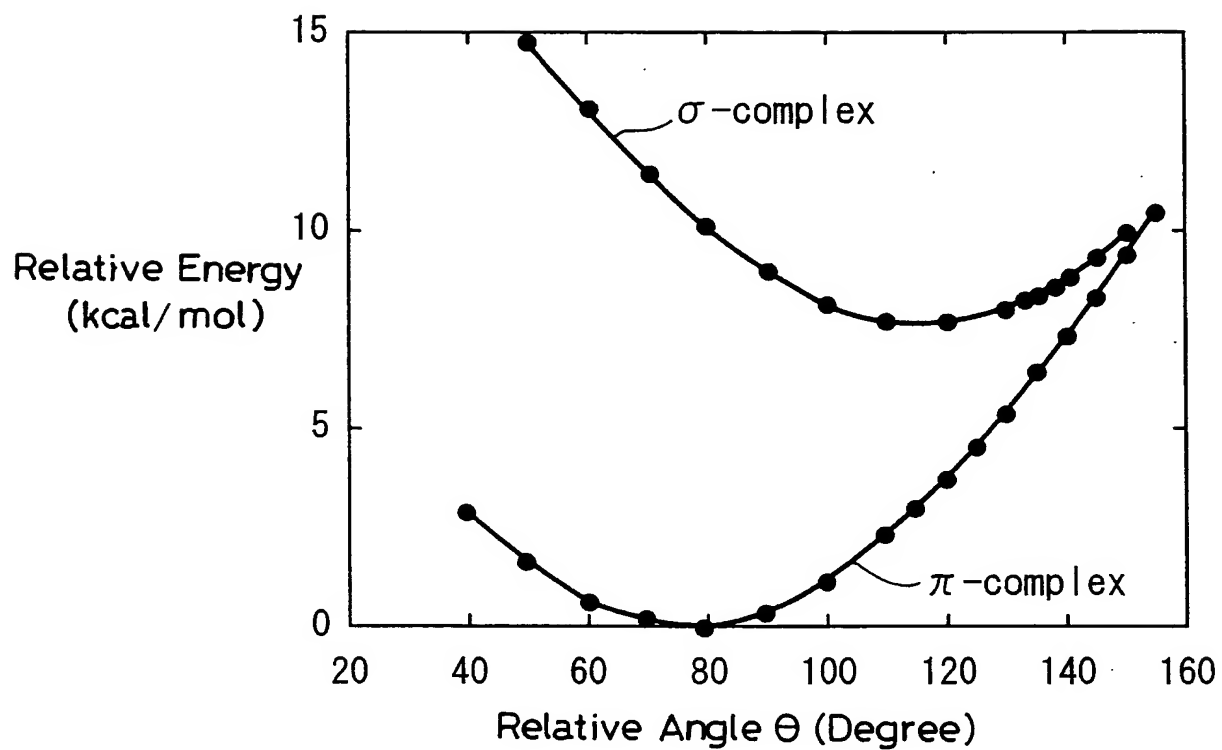
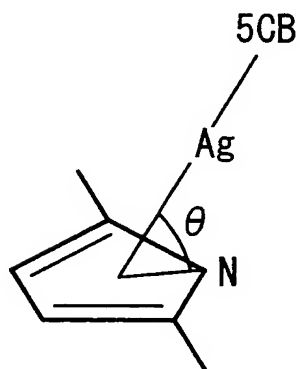
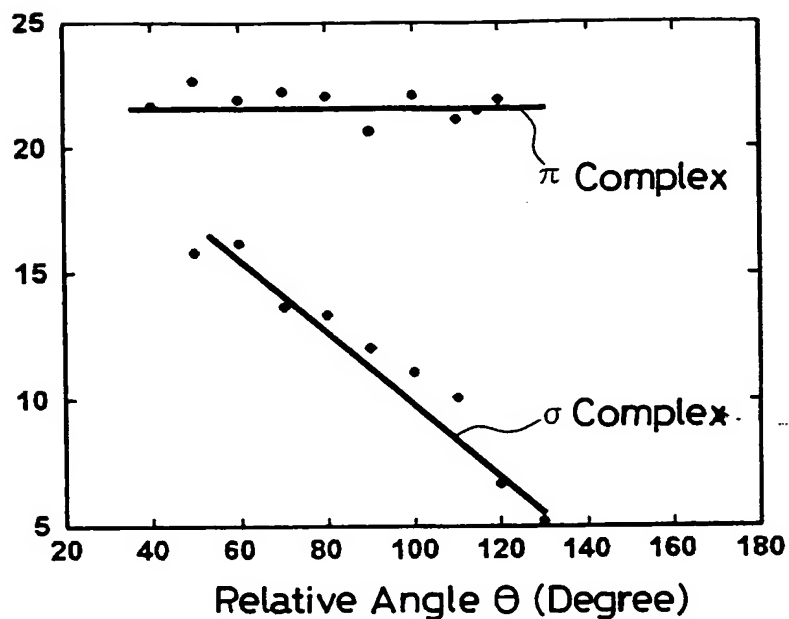


FIG. 11B

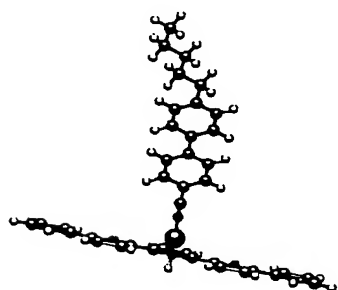


**FIG. 12**

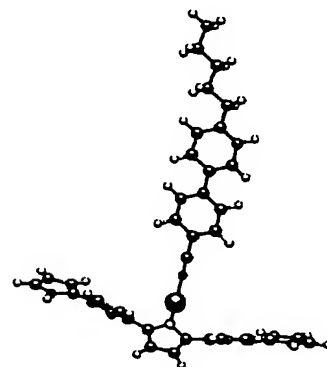
Dihedral Angle  $\alpha$   
(Degree) Between  
Pyrrole Rings in  
Polypyrrole

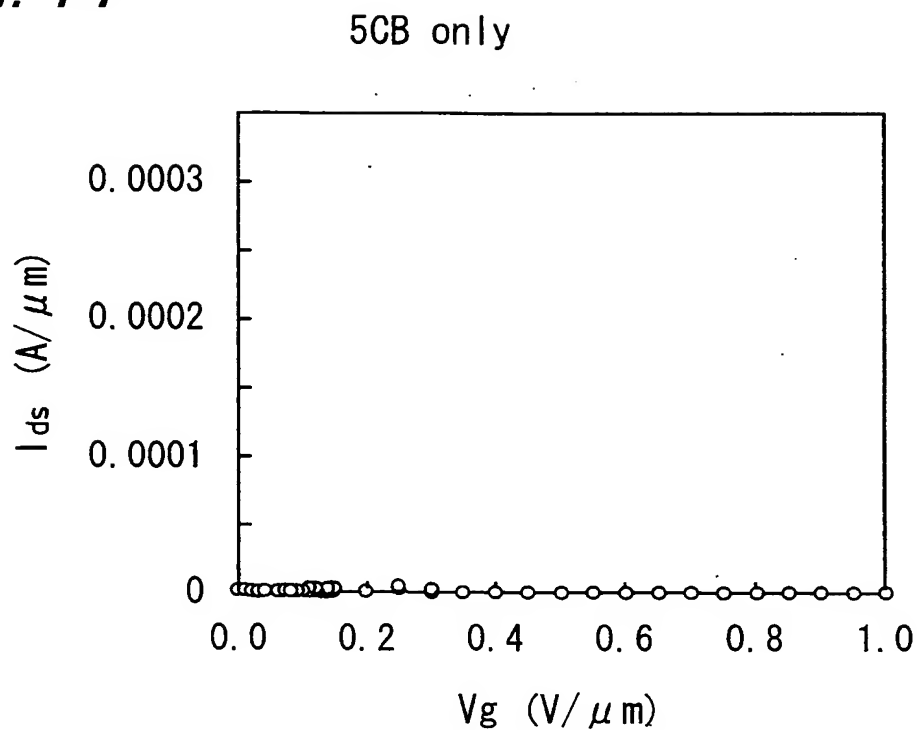
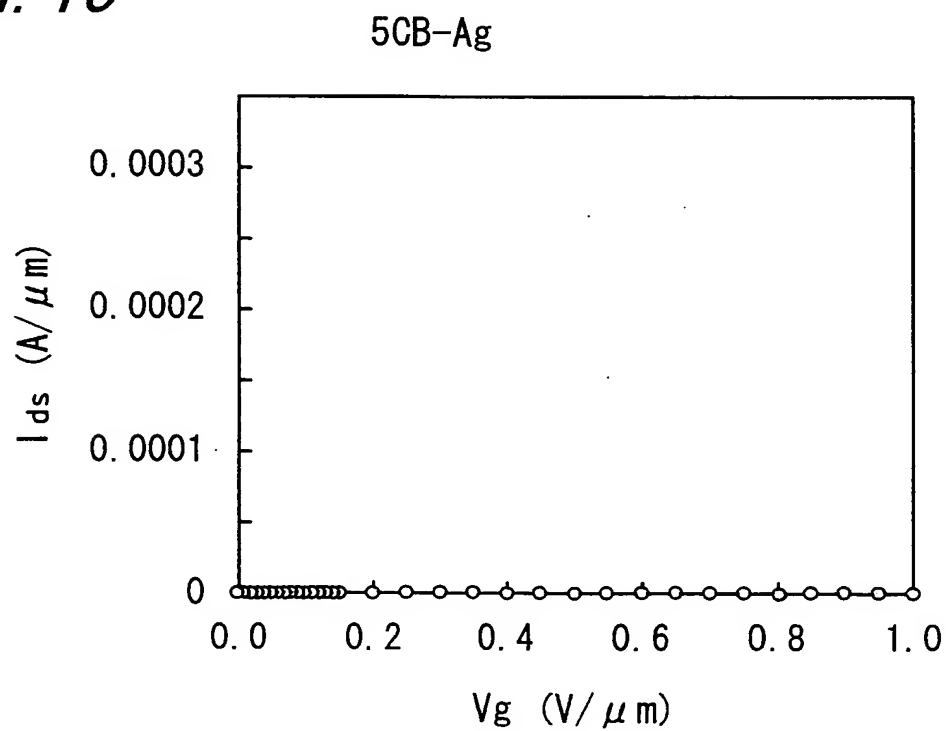
**FIG. 13A**

$\theta = 130^\circ$  ,  $\alpha = 5^\circ$   
Low Resistance State

**FIG. 13B**

$\theta = 50^\circ$  ,  $\alpha = 17^\circ$   
High Resistance State



**FIG. 14****FIG. 15**

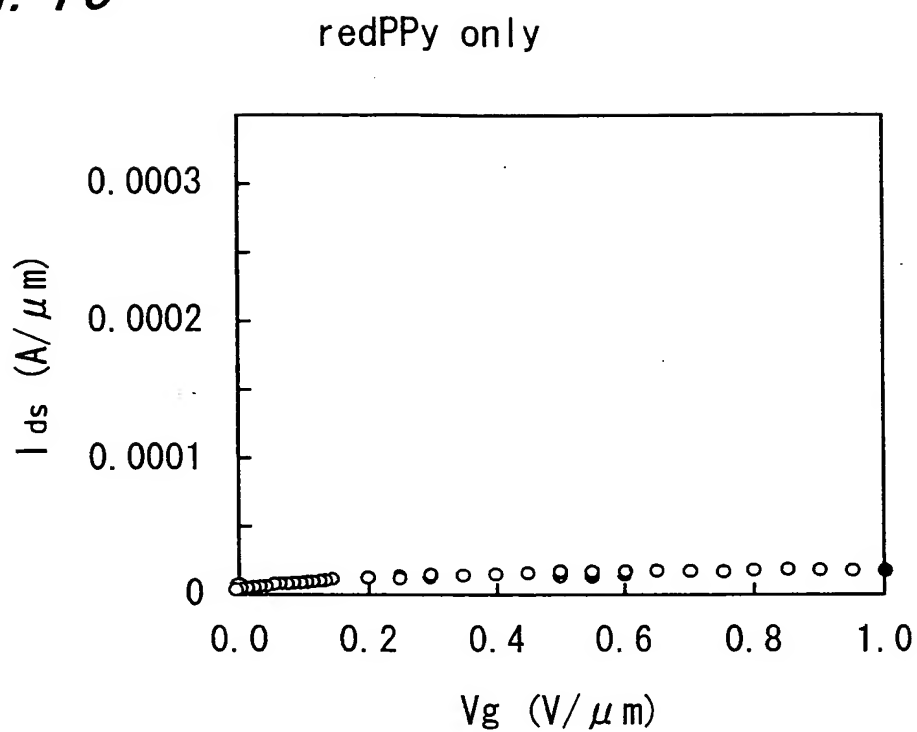
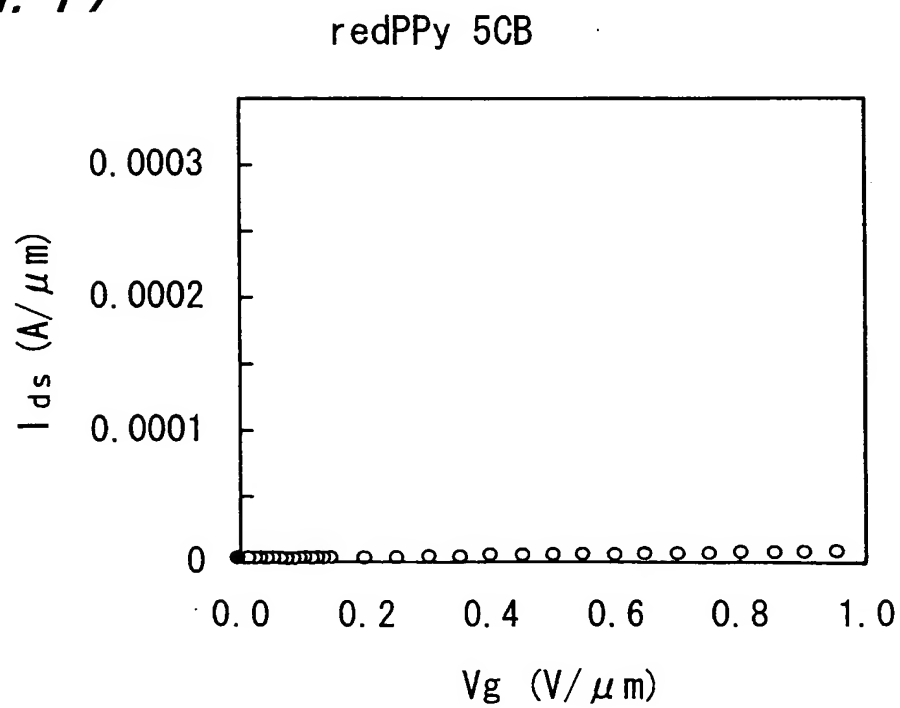
**FIG. 16****FIG. 17**

FIG. 18

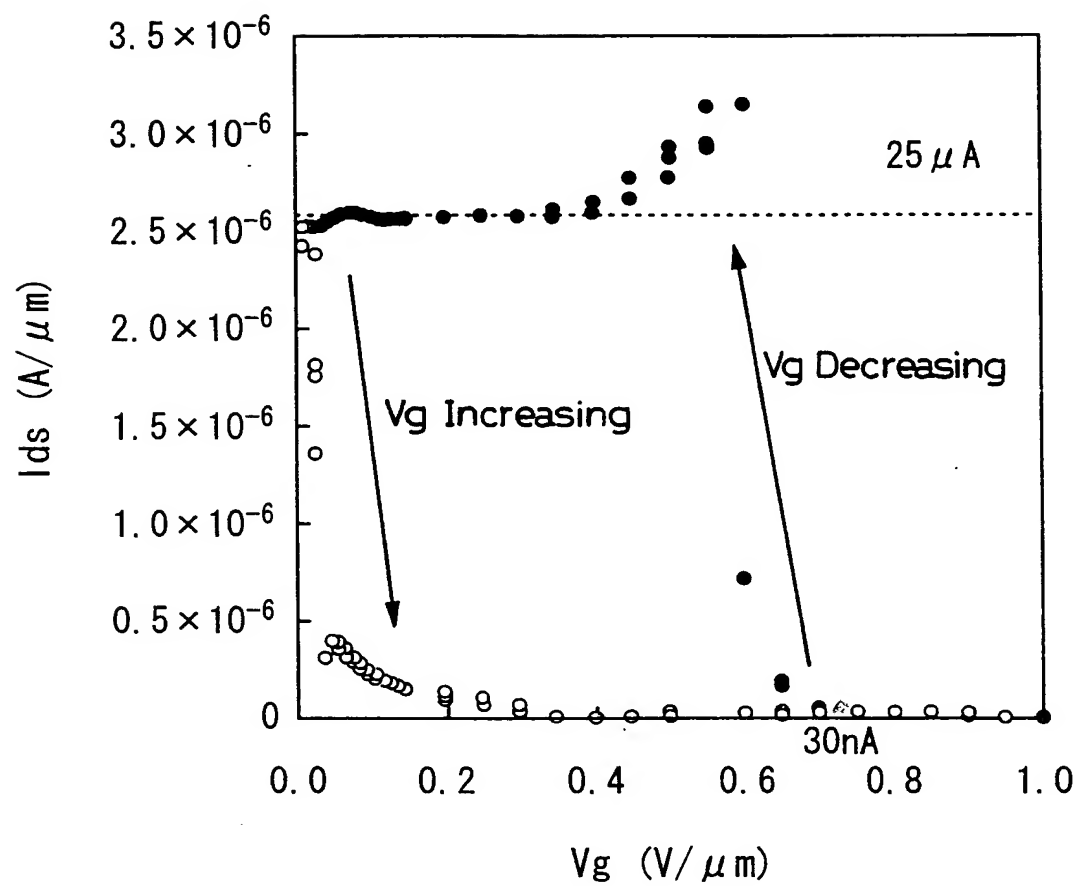


FIG. 19A

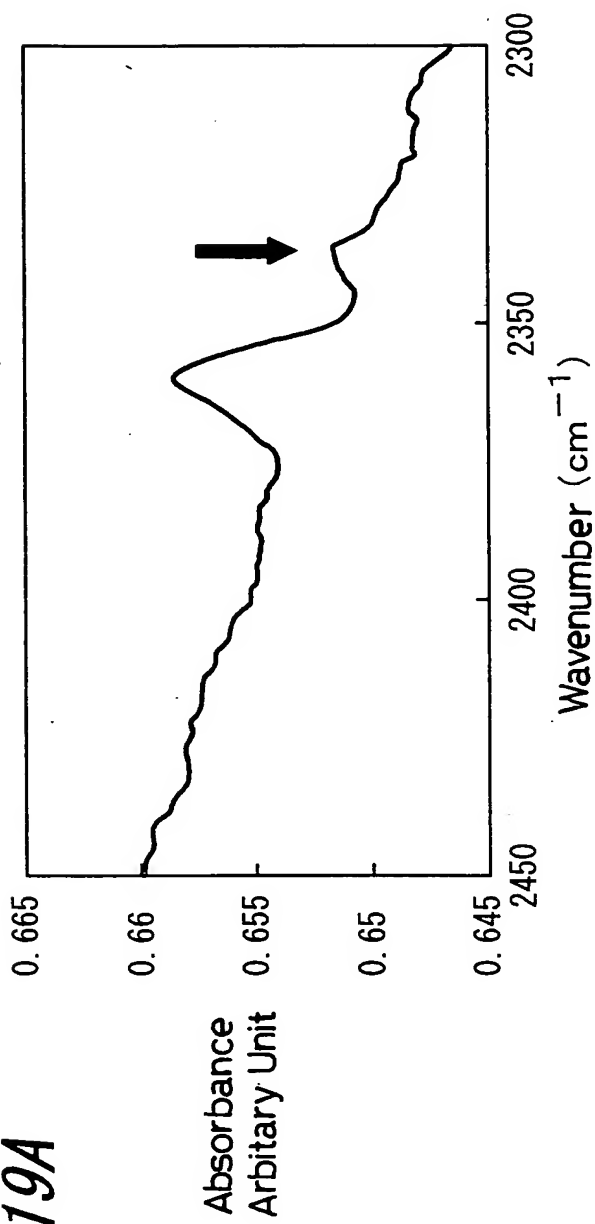
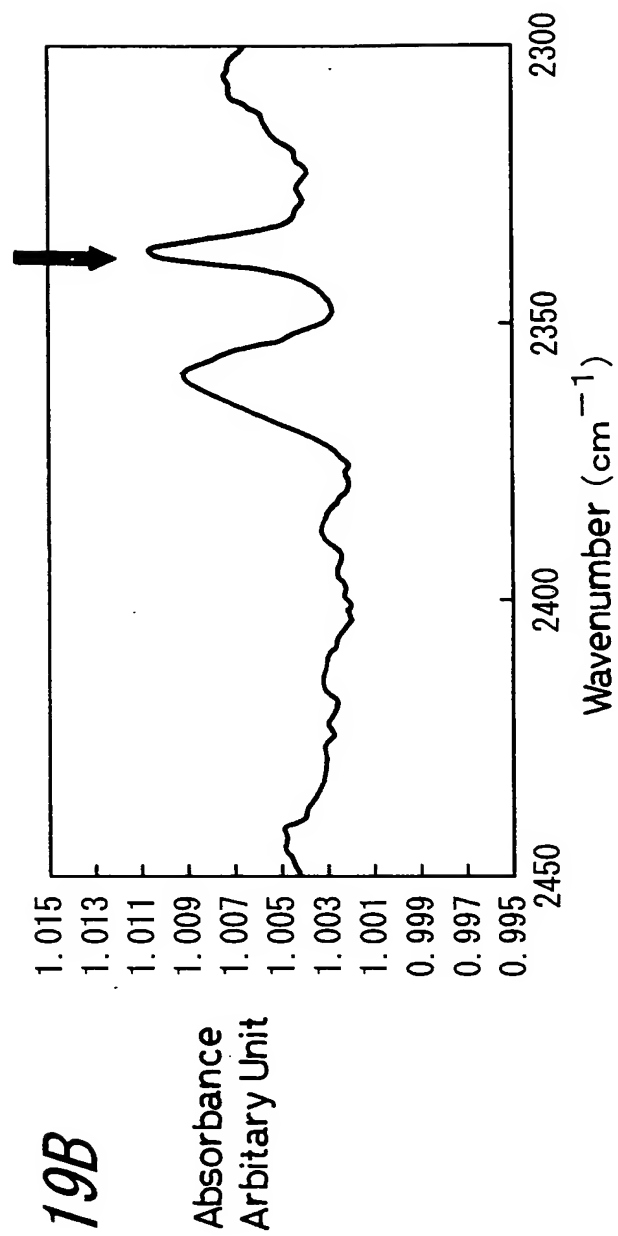


FIG. 19B



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